EPA

ACKNOWLEDGEMENT OF NOTIFICATION OF HAZARDOUS WASTE ACTIVITY
(VERIFICATION)

This is to acknowledge that you have filed a Notification of Hazardous Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act *(RCRA)*. Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER ➤ •NJD047358881

SCHENTAG CORPORATION
PO BOX 32
LAFAYETTE NJ 07848

INSTALLATION ADDRESS ➤ NORTH SR
LAFAYETTE NJ 07848

EPA Form 8700-12B (4-80) 10/09/80

Please print or type with ELITE type *(12 characters/inch)* in the unshaded areas only.

Form Approved OMB No. 158-S79016
GSA No. 0246-EPA-OT

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

INSTRUCTIONS: If you received a preprinted label, affix it in the space at left. If any of the information on the label is incorrect, draw a line through it and supply the correct information in the appropriate section below. If the label is complete and correct, leave Items I, II, and III below blank. If you did not receive a preprinted label, complete all items. "Installation" means a single site where hazardous waste is generated, treated, stored and/or disposed of, or a transporter's principal place of business. Please refer to the INSTRUCTIONS FOR FILING NOTIFICATION before completing this form. The information requested herein is required by law *(Section 3010 of the Resource Conservation and Recovery Act).*

INSTALLATION'S EPA I.D. NO.: NJD047354881

I. NAME OF INSTALLATION

II. INSTALLATION MAILING ADDRESS: ~~SCHERING CORP~~ PO BOX 32 ~~LAFAYETTE, NJ 07848~~

III. LOCATION OF INSTALLATION: ~~RT #94~~ ~~LAFAYETTE, NJ 07848~~

DETACH

FOR OFFICIAL USE ONLY

COMMENTS: C

INSTALLATION'S EPA I.D. NUMBER: S F NJD047354881 T/A 3 C 1

APPROVED:

DATE RECEIVED (yr., mo., & day): 800818

I. NAME OF INSTALLATION

SCHERING CORPORATION

II. INSTALLATION MAILING ADDRESS

STREET OR P.O. BOX: 3 PO BOX 32

CITY OR TOWN: 4 LAFAYETTE ST.: NJ ZIP CODE: 07848

III. LOCATION OF INSTALLATION

STREET OR ROUTE NUMBER: 5 ROUTE 94

CITY OR TOWN: 6 LAFAYETTE ST.: NJ ZIP CODE: 07848

IV. INSTALLATION CONTACT

NAME AND TITLE *(last, first, & job title)*: 2 KEITH JOHN S SEN ENV ENGINEER

PHONE NO. *(area code & no.)*: 201-931-3985

V. OWNERSHIP

A. NAME OF INSTALLATION'S LEGAL OWNER: 8 SCHERING CORPORATION

B. TYPE OF OWNERSHIP *(enter the appropriate letter into box)*: M

F = FEDERAL
M = NON-FEDERAL

VI. TYPE OF HAZARDOUS WASTE ACTIVITY *(enter "X" in the appropriate box(es))*

- [X] A. GENERATION
- [ ] B. TRANSPORTATION *(complete item VII)*
- [ ] C. TREAT/STORE/DISPOSE
- [ ] D. UNDERGROUND INJECTION

VII. MODE OF TRANSPORTATION *(transporters only – enter "X" in the appropriate box(es))*

- [ ] A. AIR
- [ ] B. RAIL
- [ ] C. HIGHWAY
- [ ] D. WATER
- [ ] E. OTHER *(specify)*:

VIII. FIRST OR SUBSEQUENT NOTIFICATION

Mark "X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your Installation's EPA I.D. Number in the space provided below.

- [X] A. FIRST NOTIFICATION
- [ ] B. SUBSEQUENT NOTIFICATION *(complete item C)*

C. INSTALLATION'S EPA I.D. NO.:

IX. DESCRIPTION OF HAZARDOUS WASTES

Please go to the reverse of this form and provide the requested information.

EPA Form 8700-12 (6-80)

CONTINUE ON REVERSE

I.D. – FOR OFFICIAL USE ONLY			
S: W	NJD097354881	T/A: 2	C: 1

IX. DESCRIPTION OF HAZARDOUS WASTES *(continued from front)*

A. HAZARDOUS WASTES FROM NON–SPECIFIC SOURCES. Enter the four–digit number from 40 CFR Part 261.31 for each listed hazardous waste from non–specific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
F003	F005				
7	**8**	**9**	**10**	**11**	**12**

B. HAZARDOUS WASTES FROM SPECIFIC SOURCES. Enter the four–digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific industrial sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	**20**	**21**	**22**	**23**	**24**
25	**26**	**27**	**28**	**29**	**30**

C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four–digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
P055	P087	P098	P105	P106	U002
37	**38**	**39**	**40**	**41**	**42**
U012	U044	U117	U122	U123	U144 and U239
43	**44**	**45**	**46**	**47**	**48**
U151	U154	U182	U188	U201	U220

D. LISTED INFECTIOUS WASTES. Enter the four–digit number from 40 CFR Part 261.34 for each listed hazardous waste from hospitals, veterinary hospitals, medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54

E. CHARACTERISTICS OF NON–LISTED HAZARDOUS WASTES. Mark "X" in the boxes corresponding to the characteristics of non–listed hazardous wastes your installation handles. *(See 40 CFR Parts 261.21 – 261.24.)*

[X] 1. IGNITABLE (D001) [X] 2. CORROSIVE (D002) [ ] 3. REACTIVE (D003) [X] 4. TOXIC (D000)

X. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE	NAME & OFFICIAL TITLE *(type or print)*	DATE SIGNED
W. F. Shay (signature)	W. F. Shay, Dir. Eng. & Pharm. Proj.	8/13/80

Larry Hanna
Sup a Man
& Eng Serv

Facility: Schering-Plough Research | Loc: Sussex | SIC:
ID: NJD047354881 | Insp Date: 5/14/93 | Revw Date: 10/5/93
Fac Pers: Dawn Latincsics | Region: Northern | Revw: K. Few
Title: Ass. Env Engg. | Insp: Darnell Holt | Notif Date:
Tele: 201-579-4338 | Insp Type: | Stat: File NOV 2007
Stat: Gen Trans TSD | State Act: | Initiative:
Recv TSDF: | Refer: | Oth Prog:
Vol/Mo: | Treat Units: | Comm Date:
GW Wells: | Stor Units: | $ Info:
Permits: | Waste Codes: |

Operation:
Safety evaluation + animal testing of pharmaceutical compounds

Process:
Waste stream generated fr HPLC analysis process

HW Gen:
Solvent and scintillation fluid.
F003/F005; D001.

Waste Codes:

TSDF:

HW Det: Knowl: TCA: TCLP:

Manif Revw: Out 0 Code: LDR: Stor:

Manif 38 Date Code Def

Field Novs:

No Violations

Compl Sched: Achieved:

Stat (rv cpl ref):

Compl Hist:

(Date Viol Class Act

Req Docs:

Insp Comm (date, re outcome):

Doc Req:

Fac Comm (date, re, outcome):

Doc Req:

TSDF Comm (date, re, outcome):

Doc Req:

NOV 2007 Other

Cit:

Notes:

No LDR Violations

File Docs:

EPA Action	Date Issued	Due Date	Extention Req	New Date	Date Rec'd	Stat/Comments
/						

FILE #: 19-13-06

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION & ENERGY

DIVISION OF FACILITY WIDE ENFORCEMENT

BUREAU: North DRAFT

GENERATOR INSPECTION REPORT

FACILITY INFORMATION

FACILITY NAME: Schering-Plough Research Institute

EPA ID NUMBER: NJD 047354881 CASE NUMBER:

STREET ADDRESS: Route 94

MUNICIPALITY: Lafayette ZIP: 07848 COUNTY: Sussex

MAILING ADDRESS: PO Box 32
(if different)

BILLING ADDRESS:
(if different)

TELEPHONE # (201) 579-4338 FAX # (201) 579-4341

BLOCK : LOT :

FACILITY PERSONNEL: Dawn N. Latincsics, Associate
(name & title) Environmental Engineer

Larry Hannis, Supervisor Main. & Eng. Services

INSPECTION DATE: 5/14/93

INSPECTOR'S NAME & TITLE: Darnell Holt, Sr. Env Spec.

OTHER STATE/EPA PERSONNEL:

REPORT PREPARED BY: Darnell Holt

REVIEWED BY: [signature] DATE OF REVIEW: 6-25-93

DFWE 29 REV. 2/22/93

INSPECTION DATE(S): 5/14/93
TIME IN: 10:15
TIME OUT: 3:00

PHOTOS TAKEN: YES(___) NO(✓) QUANTITY(___) ATTACH PHOTO LOG

SAMPLES TAKEN: YES(___) NO(✓) HOW MANY(___) ATTACH SAMPLE LOG

SITE BACKGROUND INFORMATION

EMPLOYEES: 135 SHIFTS/WEEK: 5

DATE OPERATIONS BEGUN: 1960 SIC CODE: ___

ACRES: 150 # OF BUILDINGS/SQFT: 10

PRODUCTS PRODUCED: Research & Development

PREVIOUS OPERATIONS AT SITE: First Building constructed By Schering-Plough

WATER SUPPLY- PUBLIC: NO PRIVATE WELL: YES

SOLID WASTE DISPOSAL: YES

FLOOR DRAINS: YES

DRAINS CONNECTED TO- POTW: NO SEPTIC SYSTEM: NO
site has its own treatment plant

MONITORING WELLS: YES, 5, closed according to Water regulations

NON-HW. TANKS ON SITE: YES, 9 oil tanks 550 - 22,000 gallons

AIR PERMITS: YES

NJPDES PERMITS: YES

OTHER PERMITS: Radiation, Medical Waste

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Inspection and General Description and Operation:

The Schering-Plough (SP) site is a safety evaluation operation. The site tests new and existing products to determine if they are safe for consumers. The testing is done on animals and to obtain Food and Drug Administration (FDA) approval.

The animals include rats, mice, guinea pigs, and dogs.

No manufacturing is done at this site.

Some of the products made by SP at other sites include Gynolotrimin, Afrin, Chlor-trimeton, St. Josephs, Digel, and Feen-a-mint.

Some of the activities at the site include analyzing pharmaceutical compounds, conducting studies on animals that can last from 3 months to 2 years, conducting toxicological and pathological research, and conducting encropsies, which are autopsies on animals.

High Pressure Liquid Chromatographs (HPLC) are used when conducting some of the analyses. This process generates a waste stream that is a mixture of scintillation fluid and solvent. It has a low level of radioactivity. However, before the waste is shipped off-site it is below Nuclear Regulatory Commission (NRC) limits to be considered radioactive. The site has a license from the NRC to work with radioactive materials. The solvent in this waste makes it a hazardous waste.

Some of the solvents include toluene, xylene, and methanol.

Another waste stream that the site has is a formalin waste stream. The company does not consider this waste stream to be hazardous. It is a solution of 35% formaldehyde and 65% water. The formalin is used to preserve animal tissue. The company will be requested to submit information to the Department so that a formal designation of this waste can be made.

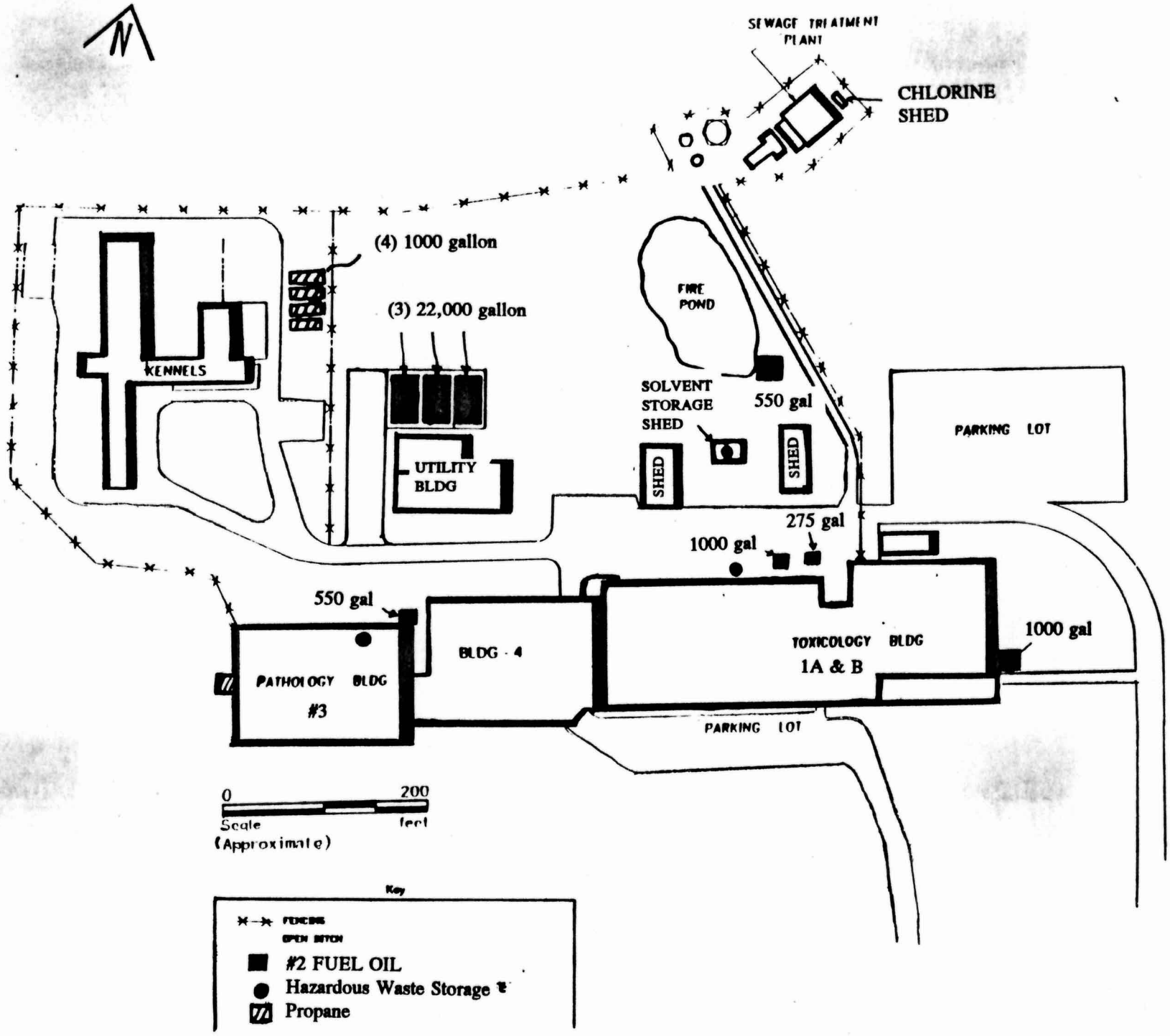
The site has a water treatment plant, the company has procedures in place that do not allow hazardous wastes to be placed into the waste water stream. The treated water is discharged to a stream named the Paulins Kill. A non-hazardous sludge is generated from the waste water treatment operation.

The site has 3- 90 day storage areas, and satellite areas within the labs.

When containers become full in the labs, they are moved to

the 90 day storage areas.

No violations were issued to the company.


N
SEWAGE TREATMENT PLANT
CHLORINE SHED
(4) 1000 gallon
(3) 22,000 gallon
KENNELS
UTILITY BLDG
FIRE POND
SOLVENT STORAGE SHED
550 gal
SHED
SHED
PARKING LOT
275 gal
1000 gal
550 gal
PATHOLOGY BLDG #3
BLDG - 4
TOXICOLOGY BLDG 1A & B
1000 gal
PARKING LOT
0
200
Scale
feet
(Approximate)
Key
FENCING
OPEN DITCH
#2 FUEL OIL
Hazardous Waste Storage
Propane

HAZARDOUS WASTE INVENTORY

LOCATION	WASTE CODES	DESCRIPTION	QUANTITY PRESENT
Pathology Bldg	F003/F005	Waste Solvents	31 1 liter containers
"	"	"	2 2½ gallon containers
Solvent storage shed	F003/F005	"	1 55 gallon drum
"	D006	Waste Developer	1 55 gallon container
Wastes were also in satellite areas within the labs.			

add additional pages as needed

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MANIFESTS REVIEWED

Manifests reviewed from 3/91 through 3/93

Number of manifests in compliance: 38

Number of manifests NOT in compliance: 0

Total number of manifests reviewed: 38

According to the manifests, does the facility import or export any waste? YES ___ NO ✓

(if yes, complete the import/export section of this report)

List manifest document numbers of those manifests not in compliance and note each deficiency.

Attach copies of manifests which have deficiencies.

Manifest#	DATE	N.J.A.C.7:26-	Comments

add additional pages as needed

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GENERATOR INDEX

CHECK THE SECTIONS AND ACTIVITIES OF THIS REPORT WHICH ARE APPLICABLE TO THE FACILITY AND COMPLETE THOSE SECTIONS FOR THIS INSPECTION.

GENERATOR WASTE MANAGEMENT PRACTICES

SECTION 1.

WASTE DETERMINATION:

	YES	NO
DOES the facility generate "solid waste".	✓	
DOES the facility generate a "hazardous waste".	✓	
IS THE FACILITY CORRECTLY CLASSIFYING ITS WASTES?	✓	

IF NO, CHECK THE ITEMS OF NON COMPLIANCE.

- 8.5(a) Generator failed to determine if its "solid waste" is hazardous? _____

- 7.4(x) Generator FAILED to properly classify its waste according to the "Hierarchy". _____

COMMENTS

SECTION 2.

GENERATOR STATUS

	YES	NO
Does the generator generate/accumulate >100 kg of hazardous waste (1kg acutely) or greater than 1001 gal of listed waste oil in any calender month? (except x725 - 100 kg rule applies)	✓	

IF YES,

• 7.4(a)1 Does the Generator have an EPA ID number.	✓	

IF THE GENERATOR IS A SQG.,

Does the generator wish to deactivate his EPA ID. number?	N/A	

COMMENTS

SECTION 3.

SATELLITE ACCUMULATION AREAS

	YES	NO
IS THE FACILITY IN COMPLIANCE WITH THE SATELLITE ACCUMULATION REGULATIONS?	✓	

IF NO, CHECK THE ITEMS OF NON COMPLIANCE.

9.3(d)1	Quantity of waste EXCEEDS 55 gal.or 1 qt. of acutely hazardous waste.	_____
9.3(d)2	Containers FAIL to:	
	Meet the standards of 7.2 (Container Requirements).	_____
	Poor or leaking container.	_____
	Container made of incompatable material.	_____
	Container not kept securely closed.	_____
9.3(d)3	Accumulation area is:	
	NOT at or near a point of generation.	_____
	NOT under the control of the operator.	_____
9.3(d)4	Containers are NOT marked "Hazardous waste".	_____
9.3(d)5	Containers NOT marked with date when filled.	_____
9.3(d)6	Containers were NOT moved from satellite area within three days.	_____

COMENTS

_____

_____

_____

_____

_____

SECTION 5

WASTE OIL

	YES	NO
IS THE FACILITY IN COMPLIANCE WITH THE WASTE OIL STORAGE REGULATIONS?	✓	

IF NO, CHECK THE ITEMS OF NON COMPLIANCE.

The generator ONLY generates or accumulates less than 1001 gals. of waste oil per month and:

7.7(d) Generator FAILED to obtain receipts and retain them for three years. _____

9.2(b) If under ground tanks are used to store waste oil, the generator is NOT a:

1. New commercial service station waste oil tanks of <1001 gal capacity* _____

or does NOT:

2. Use underground tanks in existence and in use for Hazardous Waste storage prior to 1/17/83. _____

NOTE: If the generator accumulates over 100 kg of hazardous waste and <1001 gal of waste oil, he must manifest off the waste oil but does not have to comply with subchapter 9 requirements for waste oil. If the generator accumulates >1001 gal of waste oil in any given month he MUST be in compliance with ALL generator requirements.

COMMENTS:

Generator does not reach the 1001 gallons.

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SECTION 6.

ABOVE GROUND TANKS

	YES	NO
IS THE FACILITY IN COMPLIANCE WITH THE ABOVE GROUND <90 DAY STORAGE TANK REGULATIONS?	___	___

IF NO, CHECK THE ITEMS OF NON COMPLIANCE.

If the generator stores hazardous waste in an above ground tank for <90 days, the generator FAILED to:

9.3(b)	Have a letter of approval?	_____
9.3(b)2	Have overfilling controls?	_____
9.3(b)3	Have secondary containment?	_____
9.3(b)4	Insure that 99% of the tank can be emptied?	_____
9.3(b)5	Empty the tank every 90 days?	_____
9.3(b)6	All wastes removed from the tank(s) to authorized facility?	_____
9.3(b)8	If part of the tank is below grade, all of the tank cannot be visually inspected.	_____
9.3(b)9	The tank is not labeled with the words "HAZARDOUS WASTE".	_____

COMMENTS

SECTION 7.

WASTE MANAGEMENT

		YES	NO
	IS THE FACILITY IN COMPLIANCE WITH THE WASTE MANAGEMENT REGULATIONS?	✓	
	IF NO, CHECK THE ITEMS OF NON COMPLIANCE.		
12.1(a)	Generator IS ACTING as a TSDF by:		
	1. Treating hazardous waste.		
	2. Storing hazardous waste.		
	3. Disposing of hazardous waste on site?		
9.3(a)1	The generator FAILS to ship hazardous waste off site within 90 days.		
9.2(a)2	Hazardous waste IS handled in a manner which causes or may cause a spill.		
N.J.S.A. 58:10-23.11(c)	Discharge of a hazardous substance.		
N.J.S.A. 58:10-23.11(e)	Failure to report the discharge.		

IF THE FACILITY IS ACTING AS A TSDF, COMPLETE THE TSD REPORT.

COMMENTS:

SECTION 8.

GENERATOR MANIFESTS

		YES	NO
IS THE FACILITY IN COMPLIANCE WITH THE GENERATOR MANIFEST REGULATIONS?		✓	
IF NO, CHECK THE ITEMS OF NON COMPLIANCE			
7.4(a)3	Generator FAILED to prepare a Hazardous Waste Manifest.		
7.4(a)4	Each manifest failed to have the following information:		
7.4(a)4i	Generator's name, mailing address (site address if different), and phone number.		
7.4(a)4ii	The generator's EPA ID number.		
7.4(a)4iii	The transporter(s) name, phone number, NJ registration and decal numbers.		
7.4(a)4iv	The transporter(s) EPA ID number.		
7.4(a)4v	The name, address and phone number of the designated TSD facility.		
7.4(a)4vi	The TSDF's EPA ID number.		
7.4(a)4vii	The proper USDOT description.		
	OR		
	Complete NOS information in item J.		
7.4(a)4viii	Special handling instructions.		
7.4(a)5i	The generator signature.		
7.4(a)5ii	Transporter's signature & date.		
7.4(a)5iii	Generator FAILED to retain copy and forward copies to the state of origin & state of destination.		
7.4(a)5v	Generator FAILED to give the remaining copies to hauler.		

7.4(e)2	Generator FAILED to use a registered Transporter.	_____
7.4(e)3	Generator FAILED to designate an authorized TSD or reuse facility.	_____
7.4(e)4	Generator FAILED to utilize an authorized TSD.	_____
7.4(f)	Generator FAILED to maintain the following facility records for three (3) years:	
7.4(f)1	Manifests.	_____
7.4(f)2	Annual and/or exception reports.	_____
7.4(f)3	Generator FAILED to maintain records during the course of unresolved enforcement action or as requested.	_____
7.4(h)1	When the generator has FAILED to receive signed copies of all manifests, he FAILED to notify the TSD or Department within 35 days.	_____
7.4(h)2	Generator FAILED to file exception reports within 45 days.	_____

COMMENTS:

_____

_____

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SECTION 9.

HAZARDOUS WASTES EXPORTATION

		YES	NO
	IS THE FACILITY IN COMPLIANCE WITH THE EXPORT REQUIREMENTS OF THE REGULATIONS?	___	___
	IF NO, CHECK THE ITEMS OF NON COMPLIANCE.		
	Generator FAILED to:		
7.4(b)	Notify the EPA of its intent to export.		___
	Obtain acknowledgement of consent from the receiving country.		___
7.4(c)	Provide the information required in N.J.A.C. 7:26-7.4 ET. SEQ.to the EPA.		___
7.4(c)7	Insure that the acknowledgement is attached to each manifest.		___
7.4(c,8	Deliver a copy of the Manifest to Customs at the point of departure?		___
7.4(g,4	Submit an annual report to the EPA?		___

COMMENTS:

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SECTION 10.

CONTINGENCY PLAN AND EMERGENCY PROCEDURES

		YES	NO
	IS THE FACILITY IN COMPLIANCE WITH THE CONTINGENCY PLAN & EMERGENCY PROCEEDURES REGULATIONS?	✓	
	IF NO, CHECK THE ITEMS OF NON COMPLIANCE.		
9.7(a)	NO written contingency plan.		
9.7(b)	Generator FAILED to implement the plan in an emergency.		
9.7(c)	Plan FAILED to describe the response actions facility personnel and local authorities shall take.		
9.7(d)	Generator has a DPCC or SPCC plan, and FAILED to amend that plan to incorporate hazardous waste management.		
9.7(e)	Plan FAILS to describe arrangements agreed to by local authorities.		
9.7(f)	Plan FAILS to list names, addresses, and phone numbers (office and home) of emergency coordinators.		
9.7(g)	Plan FAILS to include a list, location, AND CAPABILITIES of all emergency equipment.		
9.7(h)	Plan FAILS to describe evacuation procedures, evacuation signal(s) AND routes.		
9.7(i)	Generator FAILED to:		
	1. Keep a copy of the plan at the facility.		
	2. Submit the contingency plan to local authorities.		

9.7(j) Generator FAILED to revise the contingency plan when:

1. Applicable regulations are revised. _____
2. The plan fails. _____
3. The facility changes. _____
4. The Emergency Coordinator changes. _____
5. The emergency equipment changes. _____

9.7(k) Emergency coordinator NOT available. _____

COMMENTS

SECTION 11.

PERSONNEL TRAINING

		YES	NO
IS THE FACILITY IN COMPLIANCE WITH THE PERSONNEL TRAINING REGULATIONS?		✓	
IF NO, CHECK THE ITEMS OF NON COMPLIANCE.			
9.4(g)2	Training program **NOT** directed by a person trained in hazardous waste management procedures and, is it **NOT** designed to ensure that facility personnel are able to respond effectively.		
9.4(g)3	Program **FAILS** to include the following response procedures:		
9.4(g)3i	Use of personnel safety equipment.		
9.4(g)3ii	Procedures for using facility emergency and monitoring equipment.		
9.4(g)3iii	Key parameters for automatic waste feed cut-off systems.		
9.4(g)3iv	Procedures for utilizing communications or alarm systems.		
9.4(g)3v	Respondse procedures for fires & explosions.		
9.4(g)3vi	Ground water contamination responds procedures.		
9.4(g)3vii	Shutdown procedures.		
9.4(g)4	Personnel **have NOT** successfully completed training within six months of the date of their employment or assignment to a new position at the facility.		
9.4(g)5	Personnel do **NOT** take part in an annual review of training.		
9.4(g)6	**NO** written documentation of the following:		
9.4(g)6i	Job title for each position and the name of the employee filling each job.		

94(9)6ii	A written job description.	_____
9.4(g)6iii	Description of the training given to personnel.	_____
9.4(g)6iv	Documentation of actual training.	_____
9.4(g)7	Training records are NOT kept.	_____
9.4(g)8	Semi-annual drills, involving all employees and local authorities are NOT conducted.	_____

AND,

9.4(g)8i	Generator FAILED to petition the Department for an exemption from the drill requirement.	_____

OR

9.4(g)8ii	Generator FAILED to petition the Department for an exemption excluding local officials.	_____

COMMENTS

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SECTION 12.

PREPAREDNESS AND PREVENTION

		YES	NO
	IS THE FACILITY IN COMPLIANCE WITH THE PREPAREDNESS & PREVENTION REGULATIONS?	✓	
	IF NO, CHECK THE ITEMS OF NON COMPLIANCE.		
9.6(b)	Facility FAILS to have:		
9.6(b)1	Communications or alarm system.		
9.6(b)2	A telephone or device to summon emergency assistance.		
9.6(b)3	Portable emergency equipment.		
9.6(b)4	Adequate Water supply.		
9.6(c)	Generator FAILED to test and maintain emergency equipment.		
9.6(f)	Generator FAILED to:		
9.6(f)1	Familiarize Police, fire departments, and emergency response teams with the layout of the facility, & hazardous waste handled.		
9.6(f)2	Have an agreement designating primary emergency authority to a specific police and fire department where more than one Police and fire department are involved.		
9.6(f)3	Make agreements with emergency response contractors, and equipment supplier.		
9.6(f)4	Make arrangements to familiarize local hospitals with the properties of hazardous waste handled at the facility and the types of injuries result from fires, explosions, or discharges at the facility.		
9.6(f)5	Make arrangements with local fire departments to inspect the facility on a regular basis with at least two (2) inspections annually.		

9.6(f)6 Document when authorities identified in (f)1 through 5 above declined to enter into such arrangements.

COMMENTS:

SECTION 13.

WASTE WATER TREATMENT PLANT SLUDGE

FACILITY Schering Plough

EPA ID. No. NJD047354881 FILE No. 19-13-06

DOES THE FACILITY OPERATE A SLUDGE DRYING UNIT? NO

IF YES, OBTAIN THE FOLLOWING INFORMATION:

1. "WASTE WATER TREATMENT UNIT" QUALIFICATION PER 7:14A-4.3

Is the drying unit part of a waste water treatment facility which is subject to regulation under sections 402 or 307(b) of the federal Clean Water Act? _____

Note: In order to be considered "part of" the facility, the dryer need not be physically connected to the W.W.T. Facility, but must be located at the same site.

Describe the relationship between the dryer and the W.W.T.Facility.

_____

_____

_____

_____

_____

Describe how the sludge is moved from the W.W.T.Facility to the dryer.

_____

_____

_____

_____

_____

Does the drying unit treat a sludge which is generated on-site by the wastewater treatment facility? _____

Is the sludge to be treated a regulated hazardous waste as defined at N.J.A.C. 7:26-8? _____

If yes, what is the waste classification code? _____

Does the drying unit meet the definition of a "tank" at N.J.A.C. 7:14A-4.3? _____

Note: "Tank" means a stationary device designed to contain an accumulation of hazardous waste and constructed of non-earthen materials which provide the structural strength to totally contain the waste. Dryers that are integrally equipped with feed or discharge hoppers for treatment of sludge in bulk satisfy the definition of "tank". Others not so designed may still be considered tanks on a case-by-case basis.

Provide a physical description of the drying unit.

_____

_____

_____

_____

_____

2. PRIMARY PURPOSE RESTRICTION

Is the primary purpose of the dryer to dehydrate sludge, AND NOT to destroy sludge in order to produce an ash residue. _____

3. THERMAL INPUT LIMITATION

What is the dryer's maximum volume of sludge that the drying unit can hold? _____

What is the heating capacity of the drying unit in kilowatts or BTU/minute? _____

What is the maximum drying time? _____

What is unit weight of the sludge (lbs/cuft)? _____

THIS INFORMATION SHOULD BE SUBMITTED BY THE INSPECTOR TO BHWE FOR A PERMIT EXEMPTION DETERMINATION.

CONFIDENTIAL - RECOMMENDATIONS

TO: FILE_____ DATE_____

FROM: _____

SUBJECT: _____

EPA. ID. #: _____ INSPECTION DATE:_____

COMMENTS:

add additional pages as needed

DFWE 29
REV 02/22/93

California List Applicability

I. California List Waste Determination.

A) Using either knowledge of the waste or determination by the paint filter liquids test (PFLT), has the generator determined whether its waste is a liquid ?

Yes ✓ No ____

B) Current Applicability.

1) Do liquid hazardous wastes contain over 50 ppm PCBs ?

Yes ____ No ✓

2) Do hazardous wastes contain Halogenated Organic Compounds (HOCs) where it is identified as hazardous by a characteristic property that does not involve HOCs ?

Yes ____ No ✓

3) Do liquid hazardous wastes contain a total concentration of more than 134 mg/l of nickel and/or 130 mg/l of thallium ?

Yes ____ No ✓

See LDR Checklist pg. 8 if yes is answered to any of the above questions, the waste is currently subject to California List Prohibitions.

C) Historical Violations.

California List Prohibitions became effective on July 8, 1987 for wastes falling under any of the following descriptions:

1) Does the liquid hazardous waste, including free liquids associated with solid or sludge, contain free cyanide at concentrations ≥ 1000 mg/l ?

Yes ____ No ✓

2) Does liquid hazardous waste, including free liquids associated with any solid or sludge, contain the following metals (or elements) or compounds of these metals (or elements) at concentrations greater than or equal to these prohibition levels ?

Yes ✓ No ____

Arsenic	500 mg/l	Yes ✓	No ____
Cadmium	100 mg/l	Yes ____	No ✓
Chromium VI	500 mg/l	Yes ____	No ✓
Lead	500 mg/l	Yes ____	No ✓
Mercury	20 mg/l	Yes ✓	No ____
Nickel	134 mg/l	Yes ____	No ✓
Selenium	100 mg/l	Yes ____	No ✓
Thallium	130 mg/l	Yes ____	No ✓

3) Does the liquid (aqueous) hazardous waste have a pH ≤ 2 ?
Yes ✓ No ____

4) Do HOC wastewaters, defined as HOC-waste mixtures that are primarily water, contain ≥ 1000 mg/l but < 10,000 mg/l ?
Yes ____ No ✓

5) Do other liquid hazardous wastes contain HOCs in total concentrations ≥ 1000 mg/l ?
Yes ✓ No ✓

6) Do non-liquid hazardous wastes contain HOCs in total concentrations > 1000 mg/kg ?
Yes ____ No ✓

7) Do liquid hazardous wastes contain polychlorinated biphenyls (PCBs) at concentrations ≥ 50 ppm but < 500 ppm ?
Yes ____ No ✓

8) Does the liquid hazardous waste contain PCBs ≥ 500 ppm ?
Yes ____ No ✓

Waste Minimization Checklist

GENERATOR CHECKLIST

MANIFEST

GENERAL 262.20	YES	NO	N/A
Does the generator, offer for tranportation, hazardous waste for off-site treatment/disposal? If yes, proceed to next question. If no, proceed to 264.75/265.75.	✓		
262.23			
Does the generator sign the manifest certification which states;	✓		

" If I am a large quantity generator, I have a program in place to reduce the volume and toxicity of the waste generated to the degree I have determined to be economically practical and that I have selected the practical method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the enviroment; OR, if I am a small quantity generator, I have made a good effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford."

Does the generator have a written Waste Minimization Plan?			✓	Company has policies and goals to minimize waste. But, There is no Plan.
If no, is the generator able to describe his plan orally.				

COMMENTS:
(Explain in this space the areas that visually show evidence that a program is in place and is being implemented)

Silver recovery unit for waste-water.

ANNUAL/BIENNIAL REPORT

262.41	YES	NO	N/A
Has the generator submitted Annual (AR) or Biennial reports (BER) to the appropiate regulatory agency?	✓		

The inspector should review these reports prior to the inspection (see above), and should try to verify the information in the report during his/her site inspection. The following questions should be addressed during the inspection.

262.56(a)(5)	YES	NO	N/A
Does the BER or AR include the efforts undertaken during the year to reduce the volume of toxicity of the wastes generated?	✓		
Does the BER or AR include a description of the changes in volume and toxicity of the wastes actually achieved during the year in comparison to previous years?	✓		
Do these efforts match the information contained in the generator's written or verbally described waste minimization program.	✓		
Is the BER or AR certification signed by the generator or authorized representatives?	✓		

TSDF CHECKLIST

The inspector should review a copy of the AR/BER prior to the inspection, and should try to verify the information in the report during his inspection. The following question should be addressed during the inspection.

	YES	NO	N/A
Does the AR/BER include the efforts undertaken during the year to reduce the volume of toxicity of the waste generated?	___	___	___
Does the AR/BER include a description of the changes in volume and toxicity of the wastes actually achieved during the year in comparison to previous years?	___	___	___
Doe these efforts match the information contained in the generator's written or verbally described waste minimization program.			
Is the AR/BER certification signed by the generator or authorized representatives?	___	___	___
264.75/265/75 (h-j) Does the generator treat, store and dispose hazardous waste on site?	___	___	___
If yes to the above question, does the generator submit BERs or ARs to the appropiate regulatory agency?	___	___	___

1HWR1631 NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION PAGE 1
05/13/93 DIVISION OF HAZARDOUS WASTE MANAGEMENT
WASTE MANIFESTS FROM 03/01/91 TO 05/01/93
FROM GENERATOR NJD047354881 TO SPECIFIED TSDF'S

GENERATOR	TSDF	MANIFEST	DATE SHIPPED	WASTE CODE	WASTE NAME	QUANTITY
-SCHERING CORP RT 94 LAFAYETTE , NJ NJD047354881	ADVANCED ENV TECHNOLOGY CORP 1 EDEN LANE FLANDERS , NJ NJD980536593	NJA1163476	09/17/91	F003	NON HAL SOLV & STLBTM	400 P
		NJA1255589	03/30/92	F005	NONHL SOLV & STLBTM	1200 P
		NJA1396228	08/21/92	F005	NONHL SOLV & STLBTM	800 P
				D002	CHARACTERISTIC OF CORROSIVITY	6 P
		NJA1484213	01/11/93	F005	NONHL SOLV & STLBTM	800 P
				D002	CHARACTERISTIC OF CORROSIVITY	240 P
		NJA1484537	06/18/92	D001	CHARACTERISTIC OF IGNITABILITY	400 P
		NJA1662811	04/08/93	F003	NON HAL SOLV & STLBTM	800 P
				D002	CHARACTERISTIC OF CORROSIVITY	60 P
	CLEAN HARBORS OF BRAINTREE 385 QUINCY AVE BRAINTREE , MA MAD053452637	MAF0276318	06/04/91	F003	NON HAL SOLV & STLBTM	385 G
				F003	NON HAL SOLV & STLBTM	300 P
				X900	CHEMICAL PROCESS-LIQUID,NOS	440 G
		MAF0276319	11/22/91	X726	OIL/MT/ WRK,TURBN,DESEL,QUENCH	60 G
		MAF0276321	11/22/91	F003	NON HAL SOLV & STLBTM	385 G
				F003	NON HAL SOLV & STLBTM	150 P
				X900	CHEMICAL PROCESS-LIQUID,NOS	330 G
				X900	CHEMICAL PROCESS-LIQUID,NOS	55 G
		MAF0276325	02/18/92	D001	CHARACTERISTIC OF IGNITABILITY	250 P
				D001	CHARACTERISTIC OF IGNITABILITY	55 G
		MAF0276328	03/13/91	F003	NON HAL SOLV & STLBTM	330 G
				F003	NON HAL SOLV & STLBTM	600 P
				D002	CHARACTERISTIC OF CORROSIVITY	55 G
				X900	CHEMICAL PROCESS-LIQUID,NOS	110 G
		MAF0347872	08/26/91	F003	NON HAL SOLV & STLBTM	385 G
				D001	CHARACTERISTIC OF IGNITABILITY	250 P
		MAF0370598	02/18/92	F003	NON HAL SOLV & STLBTM	275 G
				D002	CHARACTERISTIC OF CORROSIVITY	55 G
				F003	NON HAL SOLV & STLBTM	150 P

GENERATOR	TSDF	MANIFEST	DATE SHIPPED	WASTE CODE	WASTE NAME	QUANTITY
-SCHERING CORP RT 94 LAFAYETTE NJ	CLEAN HARBORS OF BRAINTREE 385 QUINCY AVE BRAINTREE MA					

LAFAYETTE , NJ NJD047354881	BRAINTREE , MA MAD053452637	MAG0225797	07/30/92	F003 F003 X726	NON HAL SOLV & STLBTM NON HAL SOLV & STLBTM OIL/MT/ WRK,TURBN,DESEL,QUENCH	385 G 600 P 30 G
		MAG0227099	05/13/92	F003 F003	NON HAL SOLV & STLBTM NON HAL SOLV & STLBTM	220 G 330 P
		MAG0260553	01/15/93	D002 F003 F003 D018	CHARACTERISTIC OF CORROSIVITY NON HAL SOLV & STLBTM NON HAL SOLV & STLBTM BENZENE	46 G 275 G 140 P 20 G
		MAG0260555	02/19/93	F003 F003	NON HAL SOLV & STLBTM NON HAL SOLV & STLBTM	75 G 200 P
		MAG0262391	10/20/92	F003 F003	NON HAL SOLV & STLBTM NON HAL SOLV & STLBTM	385 G 300 P
@	CLEAN HARBORS OF NATICK, INC 10 MERCER RD NATICK , MA MAD980523203	MAF0276317	06/04/91	U019 D001 U136 D002	BENZENE CHARACTERISTIC OF IGNITABILITY HYDROXYDIMETHYL ARSINE OXIDE CHARACTERISTIC OF CORROSIVITY	80 P 10 P 3 P 2 P
		MAF0276322	11/22/91	F003 P087 U109 X850	NON HAL SOLV & STLBTM OSMIUM TETRAOXIDE 1,2-DIPHENYLHYDRAZINE PACKED LABORATORY CHEMICALS	10 P 10 P 10 P 10 P
		MAF0276323	11/22/91	D009	MERCURY	1 P
		MAF0276324	02/18/92	F005 U122	NONHL SOLV & STLBTM FORMALDEHYDE	50 P 10 P
		MAF0276329	03/13/91	F003 D009 D001 D002	NON HAL SOLV & STLBTM MERCURY CHARACTERISTIC OF IGNITABILITY CHARACTERISTIC OF CORROSIVITY	2 G 1 P 5 P 5 G
		MAF0347860	08/26/91	F003 D002	NON HAL SOLV & STLBTM CHARACTERISTIC OF CORROSIVITY	16 P 9 P

@

GENERATOR	TSDF	MANIFEST	DATE SHIPPED	WASTE CODE	WASTE NAME	QUANTITY
SCHERING CORP RT 94 LAFAYETTE , NJ NJD047354881	CLEAN HARBORS OF NATICK, INC 10 MERCER RD NATICK , MA MAD980523203	MAF0347873	08/26/91	D001 U122 D009 D002	CHARACTERISTIC OF IGNITABILITY FORMALDEHYDE MERCURY CHARACTERISTIC OF CORROSIVITY	24 P 27 P 6 P 10 P
		MAF0370595	02/18/92	D001 D001 D002 D001	CHARACTERISTIC OF IGNITABILITY CHARACTERISTIC OF IGNITABILITY CHARACTERISTIC OF CORROSIVITY CHARACTERISTIC OF IGNITABILITY	1 P 10 P 100 P 10 P
		MAG0227103	05/13/92	P087 F003 D001	OSMIUM TETRAOXIDE NON HAL SOLV & STLBTM CHARACTERISTIC OF IGNITABILITY	3 G 14 G 1 G

		D001	CHARACTERISTIC OF IGNITABILITY	1 G
		U157	3-METHYLCHOLANTHRENE	15 G
MAG0227105	05/13/92	X726	OIL/MT/ WRK,TURBN,DESEL,QUENCH	50 P
		D004	ARSENIC	15 G
MAG0227107	07/30/92	U117	ETHYL ETHER (I,T)	1 G
		F003	NON HAL SOLV & STLBTM	4 G
		D004	ARSENIC	4 G
MAG0260556	01/15/93	D001	CHARACTERISTIC OF IGNITABILITY	2 P
		P087	OSMIUM TETRAOXIDE	51 P
		D002	CHARACTERISTIC OF CORROSIVITY	12 G
		U044	CHLOROFORM (I,T)	56 P
MAG0260557	01/15/93	F003	NON HAL SOLV & STLBTM	5 G
		D001	CHARACTERISTIC OF IGNITABILITY	1 P
MAG0260573	01/21/93	D002	CHARACTERISTIC OF CORROSIVITY	2 G
MAG0260742	02/19/93	U213	TETRAHYDROFURAN (I)	12 G
		D001	CHARACTERISTIC OF IGNITABILITY	1 G
		D009	MERCURY	4 G
		D002	CHARACTERISTIC OF CORROSIVITY	4 G
MAG0260751	02/19/93	D001	CHARACTERISTIC OF IGNITABILITY	3 G
		P105	SODIUM AZIDE	1 P
MAG0262395	10/20/92	F003	NON HAL SOLV & STLBTM	7 G
		D001	CHARACTERISTIC OF IGNITABILITY	3 G
		P087	OSMIUM TETRAOXIDE	2 G
		D002	CHARACTERISTIC OF CORROSIVITY	2 G

GENERATOR	TSDF	MANIFEST	DATE SHIPPED	WASTE CODE	WASTE NAME	QUANTITY
-SCHERING CORP RT 94 LAFAYETTE , NJ NJD047354881	CLEAN HARBORS OF NATICK, INC 10 MERCER RD NATICK , MA MAD980523203	MAG0262396	10/20/92	U117	ETHYL ETHER (I,T)	4 G
				P105	SODIUM AZIDE	1 L
				D009	MERCURY	1 P
				X726	OIL/MT/ WRK,TURBN,DESEL,QUENCH	1 G
	RADIAC RESEARCH CORP 33 SOUTH 1ST ST BROOKLYN , NY NYD049178296	NYB2664054	09/25/91	D001	CHARACTERISTIC OF IGNITABILITY	750 P
	ROSS INCINERATION SERVICES 394 GILES ROAD GRAFTON , OH OHD048415665	NJA1390455	05/13/92	C467	CHLORINATED FLOUROCARBONS NOS	300 P

38 WORK FILE RECORDS READ
98 LINE ITEMS RECORDS READ

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE
One Winter Street, Boston, Massachusetts 02108

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
NJD047354881	60555		

3. Generator's Name and Mailing Address
SCHERING CORPORATION
PO BOX 32 ROUTE 94
LAFAYETTE, NJ 07848

4. Generator's Phone (908-579-4100)

A. State Manifest Document Number: MA G260555

B. State Generator's ID: PO BOX 32 ROUTE 94 LAFAYETTE, NJ 07848

C. State Trans. ID: MA 970.642

5. Transporter 1 Company Name: CLEAN HARBORS ENV. SERVICES, INC. 6. US EPA ID Number: MAD039322250

D. Transporter's Phone (6175855111)

7. Transporter 2 Company Name: CLEAN HARBORS OF BRAINTREE INC 8. US EPA ID Number: MAD039322250

E. State Trans. ID: MA 970 642

9. Designated Facility Name and Site Address
CLEAN HARBORS OF BRAINTREE, INC
385 QUINCY AVE
BRAINTREE, MA 02184

10. US EPA ID Number: MAD053452637

F. Transporter's Phone (617) 849-1807

G. State Facility's ID: NOT REQUIRED

H. Facility's Phone (617) 849-1807

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Flammable Liquid, n.o.s. (methanol, Xylene) Flammable Liquid UN1993 (F003, D001)	005	DM	00275	G	See below F003
b. Hazardous Waste Solid, n.o.s. (Xylene) ORM-E NA 9189 (F003)	001	DM	00200	P	F003
c.					
d.					

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code.)
a. 520930 5 X55 (B)(T)(L)
b. 520931 X30 (B)(S)

K. Handling Codes for Wastes Listed Above
a. S02 c.
b. S01 d.

15. Special Handling Instructions and Additional Information
In Emergency call 1-800-OIL-TANK
NJDEP57259

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Date (Month Day Year)
X DAWN LATINCSICS	Dawn Latincsics	02 19 93

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
X JEFF THORNE	Jeff Thorne	02 19 93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
JEFF THORNE	Jeff Thorne	02 19 93

FACILITY

19. Discrepancy Indication Space
TRANSPORTER # MAD980528203

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
CHRISTOPHER Conley	Christopher Conley	2/19/93

Form Approved OMB No. 2050-0039. Expires 9/30/92
EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

In case of emergency or spill, immediately call the National Response Center (800) 424-8802.

MA G260555 COPY>3: FACILITY MAILS TO GENERATOR

COPY>3: FACILITY MAILS TO GENERATOR

Generator Land Disposal Restriction Notification for
Hazardous Wastes Subject to an Effective Prohibition Date

Generator Name: Schering Corporation EPA ID No. NJD047354881

Address: PO Box 32, Route 94 Contact (Print) Dawn Latincsics

Lafayette, NJ 07848

Signature: Dawn Latincsics Date: February 19,1993

The hazardous wastes identified on the accompanying manifest number MAG260555 and bearing the EPA Hazardous Waste Codes listed below are restricted wastes which are prohibited from land disposal under the Land Disposal Restrictions, 40 CFR Part 268. In accordance with 40 CFR 268.7(a)(3), the EPA waste code, waste subcategory, treatability groups, treatment standards, technology codes, and appropriate references, as applicable, are provided below:

I. Characteristic Wastes D001 through D017

Waste Code/Subcategory	Numerical Treatment Standard, Technology Code and/or Reference	
	Wastewater	Nonwastewater
[X] D001		
[ ] Ignitable Liquid Wastewaters	[ ] Ref 2 -- DEACT	NA
[ ] Ignitable Liquids < 10% TOC	NA	[ ] Ref 2 -- DEACT
[X] Ignitable Liquids > or = 10% TOC	NA	[X] Ref 2 -- FSUBS; RORGS; or INCIN
[ ] Ignitable Compressed Gas	NA	[ ] Ref 2 -- DEACT
[ ] Ignitable Reactives	NA	[ ] Ref 2 -- DEACT
[ ] Oxidizers	[ ] Ref 2 -- DEACT	[ ] Ref 2 -- DEACT
[ ] D002		
[ ] Acid, pH < or = 2.0	[ ] Ref 2 -- DEACT	[ ] Ref 2 -- DEACT
[ ] Alkaline, pH > or = 12.5	[ ] Ref 2 -- DEACT	[ ] Ref 2 -- DEACT
[ ] Other (per '261.22(a)(2))	[ ] Ref 2 -- DEACT	[ ] Ref 2 -- DEACT
[ ] D003		
[ ] Reactive Sulfides	[ ] Ref 2 -- DEACT	[ ] Ref 2 -- DEACT
[ ] Reactive Cyanides	[ ] Ref 3	[ ] Ref 3
[ ] Explosives	[ ] Ref 2 -- DEACT	[ ] Ref 2 -- DEACT
[ ] Water Reactives	NA	[ ] Ref 2 -- DEACT
[ ] Other (per '261.23(a)(1))	[ ] Ref 2 -- DEACT	[ ] Ref 2 -- DEACT
[ ] D004 - Arsenic	[ ] Ref 3	[ ] Ref 1
[ ] D005 - Barium	[ ] Ref 3	[ ] Ref 1
[ ] D006		
[ ] Cadmium	[ ] Ref 3	[ ] Ref 1
[ ] Cadmium Containing Batteries	NA	[ ] Ref 2 -- RTHRM
[ ] D007 - Chromium	[ ] Ref 3	[ ] Ref 1
[ ] D008		
[ ] Lead	[ ] Ref 3	[ ] Ref 1
[ ] Lead Acid Batteries	NA	[ ] Ref 2 -- RLEAD
[ ] D009 - Mercury		
[ ] Low Hg, < 260 mg/kg Hg	[ ] Ref 3	[ ] Ref 1
[ ] High Hg, > or = 260 mg/kg Hg, mercury and organics and are not incinerator residues	NA	[ ] Ref 2 -- IMERC; or RMERC
[ ] High Hg, > or = 260 mg/kg Hg, inorganics including incinerator & RMERC residues	NA	[ ] Ref 2 -- RMERC
[ ] D010 - Selenium	[ ] Ref 3	[ ] Ref 1
[ ] D011 - Silver	[ ] Ref 3	[ ] Ref 1
[ ] D012 - Endrin	[ ] Ref 2 -- BIODG; or INCIN	[ ] Ref 3
[ ] D013 - Lindane	[ ] Ref 2 -- CARBN; or INCIN	[ ] Ref 3
[ ] D014 - Methoxychlor	[ ] Ref 2 -- WETOX; or INCIN	[ ] Ref 3
[ ] D015 - Toxaphene	[ ] Ref 2 -- BIODG; or INCIN	[ ] Ref 3
[ ] D016 - 2,4-D	[ ] Ref 2 -- CHOXD; BIODG; or INCIN	[ ] Ref 3
[ ] D017 - 2,4,5-TP (Silvex)	[ ] Ref 2 -- CHOXD; or INCIN	[ ] Ref 3

References
Ref 1: See numerical treatment standard(s) in 40 CFR 268.41, Table CCWE - Constituent Concentrations in Waste Extract
Ref 2: See technology-based standard(s) in 40 CFR 268.42, Table 2 - Technology-Based Standard By RCRA Waste Codes
Ref 3: See numerical treatment standard(s), 40 CFR 268.43, Table CCW - Constituent Concentrations in Waste

[X] CHECK HERE IF SPENT SOLVENT, CALIFORNIA LIST, OR F-, K-, P-, OR U-CODE WASTE. IF CHECKED, COMPLETE PAGE 2.

II. Spent Solvent Wastes F001 through F005

Spent Solvent Waste Code(s) -- Check all which apply: [ ] F001 [ ] F002 [X] F003 [ ] F004 [X] F005

	Constituent	Wastewater (mg/l)	Nonwastewater (mg/kg) (by TCLP method (mg/l) where indicated by asterisk **)
[X]	Acetone	[ ] 0.28	[X] 160
[ ]	Benzene	[ ] 0.070	[ ] 3.7
[ ]	n-Butyl alcohol	[ ] 5.6	[ ] 2.6
[ ]	Carbon disulfide	[ ] 0.014	[ ] 4.8**
[ ]	Carbon tetrachloride	[ ] 0.057	[ ] 5.6
[ ]	Chlorobenzene	[ ] 0.057	[ ] 5.7
[ ]	Cresol (m- and p- isomers)	[ ] 0.77	[ ] 3.2
[ ]	o-Cresol	[ ] 0.11	[ ] 5.6
[ ]	Cyclohexanone	[ ] 0.36	[ ] 0.75**
[ ]	1,2-Dichlorobenzene	[ ] 0.088	[ ] 6.2
[ ]	2-Ethoxyethanol (F005)	[ ] Ref 2 -- BICOG; or INCIN	[ ] Ref 2 -- INCIN
[ ]	Ethyl acetate	[ ] 0.34	[ ] 33
[ ]	Ethyl benzene	[ ] 0.057	[ ] 6.0
[ ]	Ethyl ether	[ ] 0.12	[ ] 160
[ ]	Isobutyl alcohol	[ ] 5.6	[ ] 170
[X]	Methanol	[ ] 0.25	[X] 0.75**
[ ]	Methylene chloride	[ ] 0.089	[ ] 33
[ ]	Methylene chloride -- Pharmaceutical Industry Wastewater Only	[ ] 0.44	NA
[ ]	Methyl ethyl ketone	[ ] 0.28	[ ] 36
[ ]	Methyl isobutyl ketone	[ ] 0.14	[ ] 33
[ ]	Nitrobenzene	[ ] 0.068	[ ] 14
[ ]	2-Nitropropane (F005)	[ ] Ref 2 -- (WETOX or CHOXD) fb CARBN; or INCIN	[ ] Ref 2 -- INCIN
[ ]	Pyridine	[ ] 0.014	[ ] 16
[ ]	Tetrachloroethylene	[ ] 0.056	[ ] 5.6
[X]	Toluene	[ ] 0.08	[X] 28
[ ]	1,1,1-Trichloroethane	[ ] 0.054	[ ] 5.6
[ ]	1,1,2-Trichloroethane	[ ] 0.030	[ ] 7.6
[ ]	Trichloroethylene	[ ] 0.054	[ ] 5.6
[ ]	1,1,2-Trichloro- 1,2,2-trifluoroethane	[ ] 0.057	[ ] 28
[ ]	Trichlorofluoromethane	[ ] 0.02	[ ] 33
[X]	Xylenes (total)	[ ] 0.32	[X] 28

III. California List Wastes -- Hazardous waste containing one or more of the following constituents:

[ ] Nickel > or = 134 mg/l
[ ] Liquids with PCB's > or = 50 ppm
[ ] Thallium > or = 130 mg/l
[ ] Waste containing HOC's > or = 1,000 mg/kg

IV. Other Listed Hazardous Wastes (F006-F012, F019-F028, F037, F038, K-, U-, and P-codes)

EPA Hazardous Waste Code	Wastewater or Nonwastewater	5-letter Technology Code (If applicable -- see Ref 2)	Reference(s) (Ref 1, Ref 2, and/or Ref 3)

[ ] CHECK HERE IF ADDITIONAL LISTED WASTE CODES ARE PRESENT. IF CHECKED, USE LDR1 CONTINUATION SHEET.

References
Ref 1: See numerical treatment standard(s) in 40 CFR 268.41, Table CCWE - Constituent Concentrations in Waste Extract
Ref 2: See technology-based standard(s) in 40 CFR 268.42, Table 2 - Technology-Based Standard By RCRA Waste Codes
Ref 3: See numerical treatment standard(s), 40 CFR 268.43, Table CCW - Constituent Concentrations in Waste

DOCUMENT NO. 00173

WORK ORDER NO. M56329

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Env Services, Inc
EPA ID # MAD039372250
VEHICLE ID # MM970.642
TRANS. 1 PHONE 617-585-5111

TRANSPORTER 2
EPA ID #
VEHICLE ID #
TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER		
Clean Harbors of Braintree, Inc			Schering Plough Corp.		
FACILITY EPA ID #			SHIPPER EPA ID #		
MAD 053452637			NJD 047354881		
ADDRESS			ADDRESS		
385 Quincy Ave			P.O. Box 32 Route 94		
CITY	STATE	ZIP	CITY	STATE	ZIP
Braintree	MA.	02184	Lafayette	NJ.	07848

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
2X55	DF		A. Formaldehyde Solution UN 2209, MA99 ORM-A	110	G
1X55	DF		B. Formic Acid mixture, MA99	55	G
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS a) S20932 - Profile #
b) S20933 - Profile #

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER X PRINT Dawn Latincsics	SIGN Dawn Latincsics	DATE 2-19-93
TRANSPORTER 1 X PRINT JEFF TOOKE	SIGN	DATE 2-19-93
TRANSPORTER 2 PRINT	SIGN	DATE
RECEIVED BY PRINT	SIGN	DATE

DATE: 02/02/90 ACCT: 740602-06
INDEX: 04900310022 CAT NO: A412200 PO NBR: R01612

METHANOL
METHANOL
METHANOL

MATERIAL SAFETY DATA SHEET

FISHER SCIENTIFIC
CHEMICAL DIVISION
1 REAGENT LANE
FAIR LAWN NJ 07410
(201) 796-7100

EMERGENCY NUMBER: (201) 796-7100
CHEMTREC ASSISTANCE: (800) 424-9300

SUBSTANCE IDENTIFICATION

CAS-NUMBER 67-56-1

SUBSTANCE: **METHANOL**

TRADE NAMES/SYNONYMS:
METHYL ALCOHOL; WOOD ALCOHOL; METHYL HYDROXIDE; CARBINOL; MONOHYDROXYMETHANE; WOOD SPIRIT; WOOD NAPHTHA; METHYLOL; COLONIAL SPIRIT; COLUMBIAN SPIRIT; PYROXYLIC SPIRIT; COULOMATIC (R) CONDITIONER SOLUTION; STANDARD WATER IN METHANOL; STCC 4909230; UN 1230; RCRA U154; CH4O; A-454; A-452; A-936; A-408; A-947; A-935; A-412; A-411; A-433P; SW-2; SC-95; ACC14280

CHEMICAL FAMILY:
HYDROXYL, ALIPHATIC

MOLECULAR FORMULA: C-H3-O-H

MOLECULAR WEIGHT: 32.04

CERCLA RATINGS (SCALE 0-3): HEALTH=3 FIRE=3 REACTIVITY=0 PERSISTENCE=0
NFPA RATINGS (SCALE 0-4): HEALTH=1 FIRE=3 REACTIVITY=0

COMPONENTS AND CONTAMINANTS

COMPONENT: METHYL ALCOHOL (METHANOL) PERCENT: 100

OTHER CONTAMINANTS: NONE

EXPOSURE LIMITS:
METHYL ALCOHOL (METHANOL):
200 PPM (260 MG/M3) OSHA TWA (SKIN); 250 PPM (325 MG/M3) OSHA STEL
200 PPM (260 MG/M3) ACGIH TWA (SKIN); 250 PPM (310 MG/M3) ACGIH STEL
200 PPM NIOSH RECOMMENDED 10 HOUR TWA;
800 PPM NIOSH RECOMMENDED 15 MINUTE CEILING

5000 POUNDS CERCLA SECTION 103 REPORTABLE QUANTITY
SUBJECT TO SARA SECTION 313 ANNUAL TOXIC CHEMICAL RELEASE REPORTING

PHYSICAL DATA

DESCRIPTION: CLEAR, COLORLESS LIQUID WITH A CHARACTERISTIC ALCOHOLIC ODOR.

BOILING POINT: 149 F (65 C) MELTING POINT: -137 F (-94 C)

SPECIFIC GRAVITY: 0.7914 VAPOR PRESSURE: 97.25 MMHG @ 20 C

EVAPORATION RATE: (BUTYL ACETATE=1) 4.6 SOLUBILITY IN WATER: VERY SOLUBLE

ODOR THRESHOLD: 100 PPM VAPOR DENSITY: 1.11

SOLVENT SOLUBILITY: ETHER, BENZENE, ALCOHOL, ACETONE, CHLOROFORM, ETHANOL.

VISCOSITY: 0.59 CPS @ 20 C

FIRE AND EXPLOSION DATA

FIRE AND EXPLOSION HAZARD:
DANGEROUS FIRE HAZARD WHEN EXPOSED TO HEAT, FLAME, OR OXIDIZERS.

VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL A CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK.

VAPOR-AIR MIXTURES ARE EXPLOSIVE.

FLASH POINT: 52 F (11 C) (CC) UPPER EXPLOSIVE LIMIT: 36.0%

DOCUMENT NO. 03306

WORK ORDER NO. M56329

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Env. Services, Inc. VEHICLE ID # MA970642
EPA ID # MAD039322250 TRANS. 1 PHONE (617)585-5111

TRANSPORTER 2 _____ VEHICLE ID # _____
EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER		
Clean Harbors of Natick, Inc.			Schering Corp.		
FACILITY EPA ID #			SHIPPER EPA ID #		
MAD980523203			NJD047354881		
ADDRESS			ADDRESS		
10 Mercer Road			Rt. 94		
CITY	STATE	ZIP	CITY	STATE	ZIP
Natick	MA	01760	LaFayette	NJ	07848

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
4 x 16	DF		A. NON D.O.T. REGULATED ORGANIC/ INORGANIC SOLIDS/LIQUIDS (MM99)	≈ 75	lbs
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS

NONE

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER X	DAWN LATINCSICS	Dawn Latincsics	2-19-93
TRANSPORTER 1	X JEFF THORNE	Jeff Thorne	2-19-93
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

PACKING LIST

(1)

Clean Harbors

☐ **MAINE**
17 Main Street
So. Portland, ME 04106
EPA ID #MED 980672182
(207) 799-8111

☒ metro

☐ **NATICK**
10 Mercer Road
Natick, MA 01760
EPA ID #MAD 980523203
(508) 655-8863

PCN _____

APPL # _____

MANIFEST DOC.# BOL 3306

GRP	DRUM ID #
CI	

GENERATOR MS6329 DRUM SIZE 16

CONTACT _____ DOT NO./HAZARD CLASS NHNR

NO.	CHEMICAL NAME (No trade names)	EPA	X = (QTY.)	SIZE	S/L	AC
	N-acetyl-p-amino phenol	MA99	11	1/4P	S	
	Sodium Citrate	↓	1	↓	S	
	Atractylosize		IIII	2oz		
	Potassium oxalate		1	1/4P		
	Tartaric acid		1	3oz		
	Orcein Biological Stain		1	0z		
	Sodium Acetate		1	2oz		
	Dihydroxy benzoic acid		11	2oz		
	Malic Acid		III	0z		
	Phenazopyridine		1	0z		
	AcetalSalicylic acid		1	3oz		
	Aletium difluorene		1	0z		
	4-Dimethyl Aminoantipyrine		1	2oz		
	Hydroxybenzoic acid		1	P		
	Hexamethylene Tetramine		1	1/4P		
	New fuschin		1	0z		
	Tr Lata Hydrochloride		11	0z		
	Malein		1	3oz		
	Antipyrine	↓	11	3oz	↓	

No. = Reference Number / EPA = Waste Code / DOT = UN-NA No. or Haz. Class / X = Multiple Containers / Size = Container Size
S/L = Solid or Liquid / GRP = Compatibility Group Code / Drum = Drum Identification Number / AC = Acceptance Code

THIS IS TO CERTIFY that the above listing is an accurate description of the content of this drum and that it contains no pressurized, pyrophoric, pathologic, radioactive, explosive or shock sensitive materials.

Completed By MK Date 2/19/93 Page 1 of _____

CHI 118

PACKING LIST

Clean Harbors

☐ **MAINE**
17 Main Street
So. Portland, ME 04106
EPA ID #MED 980672182
(207) 799-8111

☒ MAINE

☐ **NATICK**
10 Mercer Road
Natick, MA 01760
EPA ID #MAD 980523203
(508) 655-8863

PCN _____

APPL # _____

MANIFEST DOC.# BOL 3306

GRP	DRUM ID #
CI	

GENERATOR IHS6329 DRUM SIZE 16

CONTACT _____ DOT NO./HAZARD CLASS NA NOS

NO.	CHEMICAL NAME (No trade names)	EPA	X = (QTY.)	SIZE	S/L	AC
	Diatomaceous Earth	MA99	1	2P	S	
	2-Aminoanthracene Latex tubes in plastic bag		20	0Z	S	

No. = Reference Number / EPA = Waste Code / DOT = UN-NA No. or Haz. Class / X = Multiple Containers / Size = Container Size
S/L = Solid or Liquid / GRP = Compatibility Group Code / Drum = Drum Identification Number / AC = Acceptance Code

THIS IS TO CERTIFY that the above listing is an accurate description of the content of this drum and that it contains no pressurized, pyrophoric, pathologic, radioactive, explosive or shock sensitive materials.

Completed By MK Date 2/16/93 Page 3 of _____

CHI 118

PACKING LIST

(1) cont'd

Clean Harbors

☐ **MAINE**
17 Main Street
So. Portland, ME 04106
EPA ID #MED 980672182
(207) 799-8111

☒ Metro

☐ **NATICK**
10 Mercer Road
Natick, MA 01760
EPA ID #MAD 980523203
(508) 655-8863

PCN _____

APPL # _____

MANIFEST DOC.# BOL 3306

GRP	DRUM ID #
CI	

GENERATOR MS6329 DRUM SIZE 16

CONTACT _____ DOT NO./HAZARD CLASS NHNR

NO.	CHEMICAL NAME (No trade names)	EPA	X = (QTY.)	SIZE	S/L	AC
	Lauryl Sodium Sulfonate	NARK	1	OZ	S	
	Carboxymethylcellulose		1	OZ		
	Captopril		1	OZ		
	Gum Mastic		1	OZ		
	Phenylbutazone		1	OZ		
	Sodium Citrate		1	P		
	Dimethyl Sulfoxide		1	P		
	Eosin Y Stain		1	4OZ		
	Cytosine		11	OZ		
	Arabinofuranosylcytosine		1	OZ		
	Streptozocin in box		12	OZ		
	2-naphthalene sulfonic acid		1	2OZ		
	Ammonium Bromide		1	OZ		
	rabbit Serum		1	OZ		
	Rhodanine		1	OZ		
	Basic fuchsin		1	OZ		
	Prostatic Acid Phosphatase in box		8	OZ		
	Toluidine Blue Biological Stain		1	30Z		
	D-Saccharic acid 1,4-lactone		8	OZ		

No. = Reference Number / EPA = Waste Code / DOT = UN-NA No. or Haz. Class / X = Multiple Containers / Size = Container Size
S/L = Solid or Liquid / GRP = Compatibility Group Code / Drum = Drum Identification Number / AC = Acceptance Code

THIS IS TO CERTIFY that the above listing is an accurate description of the content of this drum and that it contains no pressurized, pyrophoric, pathologic, radioactive, explosive or shock sensitive materials.

Completed By NK Date 2/19/93 Page 2 of _____

CHI 118

PACKING LIST

CleanHarbors

☐ **MAINE**
17 Main Street
So. Portland, ME 04106
EPA ID #MED 980672182
(207) 799-8111

☐ **NATICK**
10 Mercer Road
Natick, MA 01760
EPA ID #MAD 980523203
(508) 655-8863

☑ Walton

PCN 1

APPL #

MANIFEST DOC.# Bol 3306

GRP	DRUM ID #
BI	

GENERATOR WS 6324 DRUM SIZE 16

CONTACT DOT NO./HAZARD CLASS NHNL

NO.	CHEMICAL NAME (No trade names)	EPA	X = (QTY.)	SIZE	S/L	AC
	Diluted Cyanide Solution	MH99	1	6	L	
	Hydrochloric Solution pH=2	MH99	11	½ G.	L	
	Hydrogen Peroxide Solution pH=8	MH99	1	pt	L	
	Potassium Permanganate Buffer Solution	MH99	ML	4 oz	L	
	Nitric Reverse Solution (Spent)	MH99	(10)	02	L	

No. = Reference Number / EPA = Waste Code / DOT = UN-NA No. or Haz. Class / X = Multiple Containers / Size = Container Size
S/L = Solid or Liquid / GRP = Compatibility Group Code / Drum = Drum Identification Number / AC = Acceptance Code

THIS IS TO CERTIFY that the above listing is an accurate description of the content of this drum and that it contains no pressurized, pyrophoric, pathologic, radioactive, explosive or shock sensitive materials.

Completed By DAIBD Date 7-17-93 Page 1 of 1

CHI 118

PACKING LIST

CleanHarbors

☐ **MAINE**
17 Main Street
So. Portland, ME 04106
EPA ID #MED 980672182
(207) 799-8111

☐ **NATICK**
10 Mercer Road
Natick, MA 01760
EPA ID #MAD 980523203
(508) 655-8863

☐ Utility

PCN _____

APPL # _____

MANIFEST DOC.# BOL 3306

GRP	DRUM ID #
BJ/KI	

GENERATOR MWRA 6284 DRUM SIZE 16

CONTACT _____ DOT NO./HAZARD CLASS NA UN

NO.	CHEMICAL NAME (No trade names)	EPA	X = (QTY.)	SIZE	S/L	AC
	Potassium / Sodium phosphate Solution PH = 7	MA49	1	½ G	L	
	Phosphate buffer Solution PH = 7 " " "		11	¾ G	L	
			1	Pt	L	
	Phenol chloroform Solution PH = 7 Splint		1	½ Pt.	L	
	1% Sodium bisulfite Solution PH = 7		1	½ Pt	L	
	Aluminum sulfate based dye		1	½ Pt	L	
	Potassium chloride based standard PH = 7		1	½ Pt	L	
	Trisotinoin		11	½ Pt	L	

No. = Reference Number / EPA = Waste Code / DOT = UN-NA No. or Haz. Class / X = Multiple Containers / Size = Container Size
S/L = Solid or Liquid / GRP = Compatibility Group Code / Drum = Drum Identification Number / AC = Acceptance Code

THIS IS TO CERTIFY that the above listing is an accurate description of the content of this drum and that it contains no pressurized, pyrophoric, pathologic, radioactive, explosive or shock sensitive materials.

Completed By DAVID Date 2-19-93 Page 1 of 1

CHI 118

(7)

CleanHarbors

PACKING LIST

☐ **NATICK**
10 Mercer Road
Natick, MA 01760
EPA ID #MAD 980523203
(508) 655-8863

☐ **MAINE**
17 Main Street
So. Portland, ME 04106
EPA ID #MED 980672182
(207) 799-8111

☒ Metro

PCN ______

APPL # ______

MANIFEST DOC.# BOL3306

GRP	DRUM ID #
AI/BI	

GENERATOR W:6379 DRUM SIZE 16

CONTACT ______ DOT NO./HAZARD CLASS NHNK

NO.	CHEMICAL NAME (No trade names)	EPA	X = (QTY.)	SIZE	S/L	AC
	Drierite	NRAG	111	1/4 lb	S	
	Activated carbon	↓	11	1/4 lb		
	Potassium Carbonate		111	1/4 lb		
	Sodium chloride		1	1/4 lb		
	Calcium Chloride		1	↓		
	Potassium Phosphate		11			
	Ammonium chloride		1			
	" sulfate		1			
	Sodium "		1			
	" hydroxide	↓	1	↓		

No. = Reference Number / EPA = Waste Code / DOT = UN-NA No. or Haz. Class / X = Multiple Containers / Size = Container Size
S/L = Solid or Liquid / GRP = Compatibility Group Code / Drum = Drum Identification Number / AC = Acceptance Code

THIS IS TO CERTIFY that the above listing is an accurate description of the content of this drum and that it contains no pressurized, pyrophoric, pathologic, radioactive, explosive or shock sensitive materials.

Completed By BD/DA Date 7-19-93 Page 1 of 1

CHI 118

RCRA LAND DISPOSAL RESTRICTIONS INSPECTION

I. General Information

Facility Name: Schering Plough Research Inst.

U.S. EPA ID#: NJD 047 354 881 SIC Code: _____

Street: Route 94

City: Lafayette State: NJ Zip: 07848

Telephone #: (201) 579- 4338 Telefax #: (201) 579- 4341

Inspection Date: 5/14/93 Time: 10:00 AM

	Name	Agency/Title	Telephone #
Inspectors:	Darnell Holt	NJDEPE/Sr. Env. Spec.	(201)299-7592
Facility Reps*:	Dawn Latinsics	Ass. Env. Eng.	579-4338
	Larry Hannis	Supervisor	"

* - Primary Environmental Contacts

See Appendix B to determine which of the following LDR waste categories the facility manages:

	Generate	Transport	Treat	Store	Dispose
F001-F005	✓	____	____	____	____
F020-F023 & F026-F028	____	____	____	____	____
California List	____	____	____	____	____
First Third	____	____	____	____	____
Second Third	____	____	____	____	____
Third Third	✓	____	____	____	____

INSPECTION SUMMARY

Processes that Generate LDR Wastes:

→ From Analyzing chemical compounds and mixtures. ~~A~~ A great deal of analyzing involves HPLCs. From research & Development, From discarding unused chemicals.

LDR Waste Management:

Wastes are accumulated for less than 90 days and then shipped off-site.

Summary of Potential LDR Violations:

There ~~observations~~ are no apparent LDR violations.

Inspector Name and Title: Darnell Holt Sr. Env. Spec.

Signature: Darnell Holt

RCRA LAND DISPOSAL RESTRICTIONS INSPECTION

I. Waste Code Determination

1. Have all wastes been correctly identified for purposes of compliance with 40 CFR Part 268?

   Yes ✓ No____

   If no, list below:

Assigned Classification	Correct Classification

   Comments:_____

2. Have both the listed and characteristic waste code been assigned, where a listed waste exhibits a characteristic? [40 CFR 268.9(a)]

   Yes ✓ No____ NA ✓

   Comments:_____

3. Has multi-source leachate been assigned the F039 waste code [40 CFR 261.31]?

   Yes____ No____ NA ✓

   If yes, was single-source leachate combined to form multi-source leachate [55 FR22623]?

   Yes____ No____

   Comments:_____

II. GENERATOR REQUIREMENTS

A. Treatability Group/Treatment Standard Identification

1. F001-F005 Spent Solvent Wastes: Does the generator correctly determine the appropriate treatability group/treatment standard (* wastewater vs. non-wastewater) for each F-solvent?

   Yes ✓ No____ NA____

   If No, list below:

Waste Code	Assigned Classification	Correct Classification

   Comments:_____

* < 1% by weight total organic carbon (TOC), < 1% by weight total F001-F005 solvent constituents listed in 40 C.F.R. Table CCWE [40 C.F.R. 268.2(f)(1)]

2. F020-F023 and F026-F028 Dioxin Wastes: Does the generator correctly determine the appropriate treatability group/treatment standard (* wastewater vs. non-wastewater) for each dioxin waste?

Yes_____ No_____ NA_✓_

If no, list below:

Waste Code	Assigned Classification	Correct Classification

Comments:_____

_____

* < 1% TOC by weight and < 1% total suspended solids (TSS) by weight [40 C.F.R. 268.2(f)]

3. First, Second, and Third Third Wastes:

a. Does the generator correctly determine the appropriate treatability group/treatment standard for each waste (i.e. subcategory and *wastewater vs. non-wastewater)?

Yes_✓_ No_____ NA_____

If no, list below:

Waste Code	Assigned Subcategory	Correct Subcategory	Assigned wastewater vs. nonwastewater designation	Correct wastewater vs. nonwastewater designation

* < 1% TOC by weight and < 1% TSS with the following exceptions: K011, K013, and K014 wastewaters - less than 5% by weight TOC and less than 1% by weight TSS; K103 and K104 wastewaters - less than 4% by weight TOC and less than 1% by weight TSS. [40 C.F.R. 268.2(f)(2) and (3)]

Comments:_____

b. Do the assigned treatment standards for listed wastes cover constituents that may cause the waste to exhibit any characteristics? [40 CFR 268.9(b)]

Yes_✓_ No_____ NA_✓_

c. Does the generator specify alternative treatment standards for lab packs?

Yes_✓_ No_____ NA_____

If yes, do lab packs only contain the following wastes* ? [40 CFR 268.42(c)(2)]

✓ Organometallics: 40 Part 268, Appendix IV constituents
____ Organics: 40 Part 268, Appendix V constituents

* **Unregulated wastes and hazardous wastes which meet treatment standards may be commingled in the appropriate Appendix IV and V lab pack. [55 FR 22629]**

d. Does the generator specify alternative treatment standards for F039 multi-source leachate?

Yes_____ No_____ NA ✓

4. California List Wastes: Has the generator correctly identified the treatability group and treatment standard/prohibition level for the following wastes [55 FR 22675] ?

a. Liquid hazardous wastes containing PCB's ≥ 50 ppm

Yes_____ No_____ NA ✓

If yes, check the appropriate treatability group:

_____ 50 to 500 ppm PCB's

_____ ≥ 500 ppm PCB's

b. Listed or characteristic wastes containing ≥ 1,000 mg/l (liquids) or mg/kg (non-liquids) HOC's, which are not listed or characterized by the HOC content.

Yes_____ No_____ NA ✓

If yes, check the appropriate treatability group:

_____ Dilute HOC wastewater (1,000 mg/l-10,000mg/l HOCs)

_____ All other HOC's greater than or equal to the prohibition level of 1,000 mg/l (liquids) or mg/kg (non liquids)

c. Liquid hazardous wastes that exhibit a characteristic and also contain ≥ 134 mg/l nickel and/or ≥ 130 mg/l thallium.

Yes_____ No_____ NA ✓

5. Treatment standards expressed as required technologies: Has the generator specified an alternative method to that required in 40 CFR 268.42?

Yes_____ No ✓ NA_____

If yes, list the waste code, the technology specified in 40 CFR 268.42, the alternative method and documentation of approval [40 CFR 268.42(b)].

Waste Code	Required Technology	Alternative Method	Approval

Comments: _____

6. Does the generator mix restricted wastes with different treatment standards for a constituent of concern?

Yes_____ No✓

If yes, did the generator select the most stringent treatment standards? [40 CFR 268.41(b) and 268.43(b)]

Yes_____ No_____

Comments: _____

B. Waste Analysis

1. Does the generator determine whether restricted wastes exceed treatment standards/prohibition levels at the point of generation? [268.7(a)]

Yes✓ No_____

If no, does the generator ship all restricted wastes as not meeting treatment standards?

Yes_____ No_____

Comments: _____

2. Which of the following analytical methods does the generator employ?

a. Knowledge of waste:

Yes✓ No_____

If yes, list the wastes for which applied knowledge was used and describe the basis of determination. Attach documentation. [40 CFR 268.7(a)(5)]

Spent Solvents, Unused chemical products; Company is aware of the processes and materials that they use.

b. TCLP: Are wastes with treatment standards specified in 40 CFR 268.41 analyzed using TCLP? (BDAT=stabilization/immobilization technology) Examples: D004-D011, and F001-F009, etc.

Yes_____ No✓ NA_____

If yes, list the wastes for which TCLP was used and provide the date of last test, the frequency of testing, and note any problems. Attach sample of typical test results [40 CFR 268.7(a)(5)].

_____

_____

c. Total constituent analysis: Are wastes with treatment standards specified in 268.43 analyzed using total constituent analysis? (BDAT=destruction/removal technology) Examples: D001-D003, majority of P and U wastes, etc.

Yes_____ No✓ NA_____

If yes, list the wastes for which total constituent analysis was used and provide the date of last test, the frequency of testing, and note any problems. Attach sample of typical test results [40 CFR 268.7(a)(5)].

_____

_____

d. PFLT* : Was PFLT used to determine if California List constituents were contained in *liquid* hazardous waste?

Yes_____ No✓ NA_____

* PFLT = Paint Filter Liquids Test [Test Method 9095, EPA Publication No. SW-846]

If yes, list the wastes for which PFLT was used and provide the date of last test, the frequency of testing, and note any problems. Attach sample of typical test results. [40 C.F.R. 268.7(a)(5)]

_____

_____

3. Does the generator treat restricted wastes in < 90 day tanks or containers regulated under 40 CFR 262.34? (Examples: elementary neutralization, etc)

Yes_____ No✓ (If No, go to 4)

Does the generator treat the wastes to meet appropriate treatment standards/prohibition levels?

Yes_____ No_____

If yes, has the generator prepared a waste analysis plan detailing the frequency of testing to be conducted? [40 CFR 268.7(a)(4)]

Yes_____ No_____ (If No, go to 4)

Does the plan fulfill the following? [40 CFR 268.7(a)(4)(i)]

_____ Based on a detailed chemical and physical analysis of a representative sample.

_____ Contains information necessary to treat the wastes in accordance with 40 CFR Part 268 requirements.

Has the plan been filed with the Regional Administrator (Receipt required for verification)? [40 CFR 268.7(a)(4)(ii)]

Yes_____ No_____

Comments:_____

4. Dilution Prohibition [40 CFR 268.3]:

a. Does the generator mix prohibited* wastes with different treatment standards?

Yes✓ No_____ (If No, go to b)

List the wastes: F Solvents

Are the wastes amenable to the same type of treatment? [55 FR 22666]

Yes ✓ No ____

* **Prohibited wastes must be treated to established treatment standard prior to land disposal.**

Comments: ____

b. Does the generator dilute prohibited wastes to meet treatment standard criteria, or render them non-hazardous? [55 FR 22665-22666]

Yes ____ No ✓ (If No, go to c)

Check appropriate category:

____ Dilutes to meet treatment standards

____ Dilutes to render waste non-hazardous

Do the wastes fall into the following categories? [40 CFR 268.3(b)]

____ Managed in treatment systems regulated under the Clean Water Act

____ Non-Toxic* characteristic wastes

____ Treatment standard specified in 40 CFR 268.41 or 268.43

* **Non-toxic = D001 (except high TOC nonwastewaters), D002, and D003 (except cyanides and sulfides). [55 FR 22666]**

If the wastes do not fall into the above categories, briefly describe the conditions under which they were diluted:

____

c. Based on an assessment of points a. and b. and any other relevant circumstances, does the generator dilute prohibited wastes as a substitute for adequate treatment? [40 CFR 268.3(a)]

Yes ____ No ✓

Comments: ____

5. F039 Multi-source leachate: Has the generator run an initial analysis for all constituents of concern in 40 CFR 268.41 and 268.43? [55 FR 22620]

Yes ____ No ____ NA ____

C. Management

1. On-Site Management

a. Are restricted wastes treated (other than in a RCRA exempt unit), stored for greater than 90 days, or disposed on site?

Yes ____ No ✓ (If yes, complete TSD Checklist)

Comments: _____

b. If the generator treats characteristic wastes in systems regulated under the Clean Water Act, have the following been documented: the determination of restriction, how restricted wastes are managed, and why wastes discharged pursuant to a NJPDES permit are not prohibited (if applicable)? [55FR 22662]

Yes_____ No_____ NA ✓

c. If the generator treats characteristic wastes in RCRA exempt units to render them non-hazardous, are the wastes managed as restricted until 40 CFR 268 treatment standards are met*? [40 CFR 268.9(d)]

Yes_____ No_____ NA ✓

* **This applies to both concentration based treatment standards specified in 40 CFR 268.41 and 268.43, and to some 40 C.F.R. 268.42 required methods which result in treatment below the characteristic level. See Appendix D.**

2. Off Site Management: Waste Exceeds Treatment Standards

a. Does the generator ship any waste that exceeds treatment standards/prohibition levels to an off-site treatment or storage facility?

Yes ✓ No_____ (If No, go to 3)

Does the generator provide a notification to the treatment or storage facility? [40 CFR 268.7(a)(1)]

Yes ✓ No_____ (If No, go to 3)

If the generator specifies alternative treatment standards for lab packs, is the certification required in 40 CFR 268.7(a)(7) or (8) included with the notification?

Yes ✓ No_____ NA_____

b. Is a notification sent with each waste shipment?

Yes ✓ No_____

If no, is the waste subject to a tolling agreement pursuant to 262.20(e) [SQG only]* ?

Yes_____ No_____ (If No, go to 3)

* **Small quantity generator = generator of greater than or equal to 100 kg/month but less than 1,000 kg/month hazardous waste, or less than 1 kg/month of acutely hazardous waste. (NJ criteria = <100 kg/month of hazardous waste or <1 kg/month of acutely hazardous waste)**

List waste codes and subsequent handler with whom a contractual tolling agreement is held.

Waste Code	Subsequent Handler	Waste Code	Subsequent Handler

Did the SQG provide a notification to the receiving facility with the first waste shipment subject to the tolling agreement [40 CFR 268.7(a)(9)]?

Yes_____ No_____

3. Off-Site Management: Waste Meets Treatment Standards

a. Does the generator ship waste that meets treatment standards/prohibition levels to an off-site disposal facility?

Yes_____ No✓ (If No, go to 4)

Identify waste code(s) and off-site disposal facilities:

Waste Code	Receiving Facility

Note: Include documentation supporting the generator's determination that the waste meets applicable treatment standards/prohibition levels.

Does the generator provide a notification and certification to the disposal facility? [40 CFR 268.7(a)(2)(i) and 268.7(a)(2)(ii)]

Yes_____ No_____ (If No, go to D)

b. Are a notification and certification sent with each waste shipment?

Yes_____ No_____

If no, is the waste subject to a tolling agreement pursuant to 262.20(e)? (SQG only)

Yes_____ No_____ (If No, go to c)

List waste codes and subsequent handler with whom a contractual tolling agreement is held.

Waste Code	Subsequent Handler	Waste Code	Subsequent Handler

Did the SQG provide a notification and certification to the receiving facility with the first waste shipment subject to the tolling agreement? [40 CFR 268.7(a)(9)]

Yes_____ No_____

c. Are characteristic wastes which have been rendered non-hazardous (in a RCRA exempt unit) shipped to a Subtitle D facility?

Yes_____ No_____ NA_____ (If No or NA, go to 4)

Complete the following table:

Waste Code	Receiving Facility	Waste Code	Receiving Facility

Are a notification and certification for each shipment sent to the Regional Administrator or authorized State? [40 CFR 268.9(d)(1) and 268.7(b)(5)]

Yes_____ No_____

4. Records Retention

Does the generator retain on site copies of all notifications, certifications, and other relevant documents for a period of 5 years? [40 CFR 268.7(a)(6)]

Yes ✓ No_____

Are copies of relevant tolling agreements, along with the LDR notification and/or certification, kept on site for at least 3 years after expiration or termination of the agreement? [40 CFR 268.9]

Yes_____ No_____ NA ✓

Do LDR documents reflect proper management of wastes previously covered under case by case extensions?

Yes_____ No_____ NA ✓

Comments:_____

D. Treatment Using RCRA 40 CFR Parts 264 and 265 Exempt Units or Processes

1. Are restricted wastes treated in RCRA exempt units (distillation units, wastewater treatment tanks, elementary neutralization, etc.)?

Yes_____ No ✓ (If No, do not complete this section)

List types of waste treatment units and processes:

Waste Code	Type of Treatment	Treatment units and processes
_____	_____	_____
_____	_____	_____
_____	_____	_____

2. Are treatment residuals generated from these units?

Yes_____ No_____

Comments:_____

3. Are residuals further treated, stored for greater than 90 days, or disposed on site?

Yes_____ No_____ NA_____

(If yes, the TSD checklist must be completed)

E. Additional Comments, Concerns, or Issues not addressed in the Checklist:

Schering-Plough
Research Institute

P.O. Box 32, 144 Route 94
Lafayette, New Jersey 07848-0032
(201) 579-4100
Fax (201) 579-4211

Certified # : P 070 062 274

April 9, 1997

F: 2

EPA Region II
Permits Administrations Branch
290 Broadway
New York, New York 10007-1866

RE: Manifest Exception Reporting
Schering Corporation ID# NJD047354881

Dear Sir:

In accordance with 40 CFR 262.42 (a) (2), Schering Corporation is submitting an Exception Report for hazardous waste manifest numbers IL7349586 and IL7349584 for a shipment date of February 21, 1997. Schering Corporation did not receive copies of the manifests with the signature of the designated facility, Clean Harbors Services, Chicago, IL within 45 days of shipment.

Clean Harbors Services was contacted multiple times once 30 days had passed since the shipment date, and arrival of the waste at the facility was confirmed. Faxed copies of the manifests were sent to Schering on April 8, 1996. Copies of the manifests are enclosed for your reference.

Please contact me at (201) 579-4338 if you have any questions.

Sincerely,

Dawn Latincsics

Dawn Latincsics
Environmental Engineer

DL:gc
Enclosure - Manifest Copy
K:fac:dl-cleanhrbs

CC: L. Hannis
J. Griffin

PLEASE TYPE (Form designed for use on elite (12-pitch) typewriter.) State Form LPC 62 8/81 IL532-0610 EPA Form 8700-22 (Rev. 6-89) AND SPECIAL WASTE

Form Approved. OMB No. 2050-0039, Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NJD047354881 Manifest Document No.: 95586
2. Page 1 of 2

Information in the shaded areas is not required by Federal law, but is required by Illinois law.

3. Generator's Name and Mailing Address:
Schering Corporation ATTN : DAWN LATINCSICS
PO Box 32 Route 94 201-579-4100
Lafayette, NJ 07848

A. Illinois Manifest Document Number: IL 7349586 FEE PAID IF APPLICABLE

4. 24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS: 800-645-8265

B. Illinois Generator's ID: 9340019999

5. Transporter 1 Company Name: Clean Harbors Env. Services, Inc
6. US EPA ID Number: MAD039322250

C. Illinois Transporter's ID: 1478
D. 617849-1800 Transporter's Phone

7. Transporter 2 Company Name: Same
8. US EPA ID Number: Same

E. Illinois Transporter's ID: 1978
F. 617849-1800 Transporter's Phone

9. Designated Facility Name and Site Address:
Clean Harbors Services Inc
11800 South Stony Island Ave
Chicago, IL 60617

10. US EPA ID Number: ILD000608471

G. Illinois Facility's ID: 0316000051
H. Facility's Phone: 773 646-6202

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. ~~SPENT~~ FORMIC ACID MIXTURE, NON-D.O.T. REGULATED	001	DF	00030	G	EPA HW Number: XXNONE; Authorization Number: 000285
b. WASTE CAUSTIC ALKALI LIQUIDS, N.O.S. (POTASSIUM HYDROXIDE), 8, UN1719, PGII	003	DF	0030	G	EPA HW Number: XX; Authorization Number: 000281
c. RQ, WASTE FLAMMABLE LIQUIDS, N.O.S. (ETHANOL), 3, UN1993, PGIII	001	DF	00030	G	EPA HW Number: XX; Authorization Number: 00028A
d. WASTE FLAMMABLE LIQUIDS, N.O.S. (METHANOL, ETHYL BENZENE) 3, UN1993, PGII	004	DM	00200	G	EPA HW Number: XX; Authorization Number: 2 8

J. Additional Descriptions for Materials Listed Above
11a S20933 NLR
11b S20934 ERG 154
11c CH031669 ERG 128
11d S20930 ALSO F002, F003 ERG 128

K. Handling Codes for Wastes Listed Above In Item #14: G=GALLONS

15. Special Handling Instructions and Additional Information
NJDEP# 07259 DECAL# 74205
WO# D453796

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Dawn Latincsics Signature: Dawn Latincsics Date (Month Day Year): 02 21 97

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Daniel Lambert Signature: [signature] Date (Month Day Year): 02 21 97

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: David P. Adams Signature: David P. Adams Date (Month Day Year): 02 24 97

19. Discrepancy Indication Space: I-1110 1100-ClassA

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Tammy Reed Signature: Tammy Reed Date (Month Day Year): 03 05 97

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed $25,000 per day of violation. Falsification of this information may result in a fine up to $50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR

374650 - 374658

04/08/97 TUE 14:09 [TX/RX NO 8884] 002

P.O. BOX 19276 SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

State Form LPC 62 8/81 IL532-0610

PLEASE-TYPE (Form designed for use on elite (12-pitch) typewriter.) EPA Form 8700-22 (Rev. 6-89)

Form Approved. OMB No. 2050-0039, Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJD047354881 Manifest Document No. 49584

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but is required by Illinois law

3. Generator's Name and Mailing Address
Schering Corporation
PO Box 32 Route 94
Lafayette, NJ 07848

Location If Different
ATTN : DAWN LATINCSICS
201-579-4100

4. 24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS
800-645-8265

A. Illinois Manifest Document Number IL 7349584 FEE PAID IF APPLICABLE

B. Illinois Generator's ID 1913140011991999

5. Transporter 1 Company Name: Clean Harbors Env. Services, Inc
6. US EPA ID Number: MAD039322250
C. Illinois Transporter's ID 11478
D. (617)849-1800 Transporter's Phone

7. Transporter 2 Company Name: Same
8. US EPA ID Number: Same
E. Illinois Transporter's ID 11478
F. (617)849-1800 Transporter's Phone

9. Designated Facility Name and Site Address
Clean Harbors Services Inc
11800 South Stony Island Ave
Chicago, IL 60617
10. US EPA ID Number: ILD000608471
G. Illinois Facility's ID 1116000051
H. Facility's Phone (773)646-6202

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID, N.O.S. (XYLENE), 9, NA3077, PGIII	002	DF	00200	P	EPA HW Number XXNONE; Authorization Number 000278
b. HAZARDOUS WASTE LIQUID, N.O.S. (CADMIUM), 9, NA3082, PGIII	001	DF	00020	G	EPA HW Number XXNONE; Authorization Number 000281
c. HAZARDOUS WASTE LIQUID, N.O.S. (SILVER), 9, NA3082, PGIII	003	DF	00060	G	EPA HW Number XXNONE; Authorization Number 000281
d. WASTE (DL) FORMALDEHYDE, SOLUTIONS, 8, UN2209, PGIII SPENT	003	DF	00150	G	EPA HW Number XXNONE; Authorization Number 000278

J. Additional Description for Materials Listed Above
11a S20931 ERG 171
11b T19690 ERG 171
11c T19691 ALSO D011 ERG 171
11d S20932 ERG 132

K. Handling Codes for Wastes Listed Above In Item #14
P=POUNDS
G=GALLONS

15. Special Handling Instructions and Additional Information
WO# D453796
NJDEP# 0759 DECAL# 74205

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Date (Month Day Year)
DAWN LATINCSICS	Dawn Latincsics	02 21 97

17. Transporter 1 Acknowledgement of Receipt of Materials

TRANSPORTER

Printed/Typed Name	Signature	Date (Month Day Year)
David Lambert		02 21 97

18. Transporter 2 Acknowledgement of Receipt of Materials

TRANSPORTER

Printed/Typed Name	Signature	Date (Month Day Year)
David P. Adams	David P. Adams	02 24 97

19. Discrepancy Indication Space
See I-11d-ClassA

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
BOB SHEAHAN	Bob Sheahan	03 01 97

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed $25,000 per day of violation. Falsification of this information may result in a fine up to $50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

Clean Harbors has appropriate permits for & will accept the waste the generator is shipping.

COPY 2: TSD MAIL TO IEPA

(RCRA AND PCB WASTES)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039 Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator's US EPA ID No. | Manifest Document No. | 22. Page | Information in the shaded areas is not required by Federal law.

23. Generator's Name

L. State Manifest Document Number: IL 7345584

M. State Generator's ID: 9740019999

24. Transporter 1 Company Name | 25. US EPA ID Number

N. State Transporter's ID

O. Transporter's Phone

26. Transporter 2 Company Name: DART TRUCKING CO INC | 27. US EPA ID Number: OHD 009863525

P. State Transporter's ID: 1431

Q. Transporter's Phone: 330-533-9841

28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	HM	29. Containers No.	29. Containers Type	30. Total Quantity	31. Unit Wt/Vol	R. Waste No.
a.						
b.						
c.						
d.						
e.						
f.						
g.						
h.						
i.						

S. Additional Descriptions for Materials Listed Above

T. Handling Codes for Wastes Listed Above

32. Special Handling Instructions and Additional Information

TRANSPORTER

33. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: WILLIAM H PIERCE | Signature | Date: Month 02 Day 27 Year 97

34. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: TONY HARI | Signature | Date: Month 03 Day 05 Year 97

FACILITY

35. Discrepancy Indication Space

Style F16 REV-6 LABELMASTER, An AMERICAN LABELMARK CO., CHICAGO, IL 60646 800-621-5808

EPA Form 8700-22A (Rev. 9-86) Previous editions are obsolete.

TRANSPORTER #2